

David Clark COMPANY

INCORPORATED

360 Franklin Street, Box 15054, Worcester, MA 01615-0054
TEL. (508) 751-5800 E-Mail sales@DavidClark.com FAX: (508) 753-5827

INSTALLATION/OPERATION INSTRUCTIONS U3804 REMOTE HEADSET STATION

DESCRIPTION

The U3804 Remote Headset Station is used with a remote radio control head, including systems utilizing full duplex operation. A selector switch allows the remote station operator access to the mobile radio or the David Clark Company Series 3800 Intercom System.

Place the selector switch in the "Radio" position to access the receive and transmit functions of the radio. To transmit, depress and hold the push-to-talk (PTT) button on the C3009 Belt Station. Release the PTT button to receive transmissions on radios without a duplex feature. Communication over the intercom is not possible in the radio mode.

In the "Intercom" position, a U3804 operator can only transmit over the radio when someone keyes one of the PTT buttons located on the U3810 or U3812 Radio Interface Modules. All incoming radio messages on the intercom will still be heard by the remote station operator, provided no one has pushed a PTT button to transmit over the radio.

INSTALLATION

1. Select a mounting location where the headset cord will not interfere with the operator's job function or otherwise force a reaction that may jeopardize safe operation.
2. Mount the U3804 by placing one grommet between each of the four mounting brackets and the mounting surface. Grommets are provided with the module while fasteners are not. The type of fasteners selected should be based on mounting location.
3. All cords have military type screw-on connectors. Install cords as follows:
 - a. Align key-way slot on cord connector with key in threaded connector on module.
 - b. Insert pins into socket until firmly seated.
 - c. Hand tighten swivel nut on cord connector.
4. AC38-XX Jumper Cord, of desired length, is required to connect the U3804 to a U3800 Master Station or another Remote Headset Station. Connect one end of the C38-XX to the "System Input" connector on the U3804 and the other end to the "Remote Output" on the U3800 or to any "Input" or "Output" connector on a Remote Headset Station.
5. AC3821 Radio Interface Cord is required to connect the remote radio control head to the U3804. Following the schematics supplied with the C3821, install the cord from the remote radio control head to the "Radio Input" connector on the U3804.
6. Connect the C3009 Belt Station cable to the "Belt Station" connector on the U3804.

Note: A Model C3009 Belt Station must be used to interface a U3804 Remote Headset Station.

7. Plug headset into headset jack located on the C3009 Belt Station.

OPERATION

1. Adjust headset for a comfortable fit. Position the boom mounted microphone directly in front of your mouth, no more than 1/8 inch from your lips.
2. Turn selector switch to the "Radio" position, adjust the radio volume to a comfortable listening level using the volume control on the radio.
3. To transmit over the radio, depress and hold the C3009 Belt Station PTT button. Release the button when the transmission is completed.
4. Turn selector switch to the "Intercom" position, adjust intercom volume to a comfortable listening level using the volume control on the U3804. Be sure that the microphone is turned on. To communicate with others on the intercom system, speak into microphone.

Note: While in intercom mode, if the push-to-talk button on the U3810 Radio Interface Module or U3812 Dual Radio Interface Module is depressed all communication on the intercom system will be transmitted over the mobile radio.

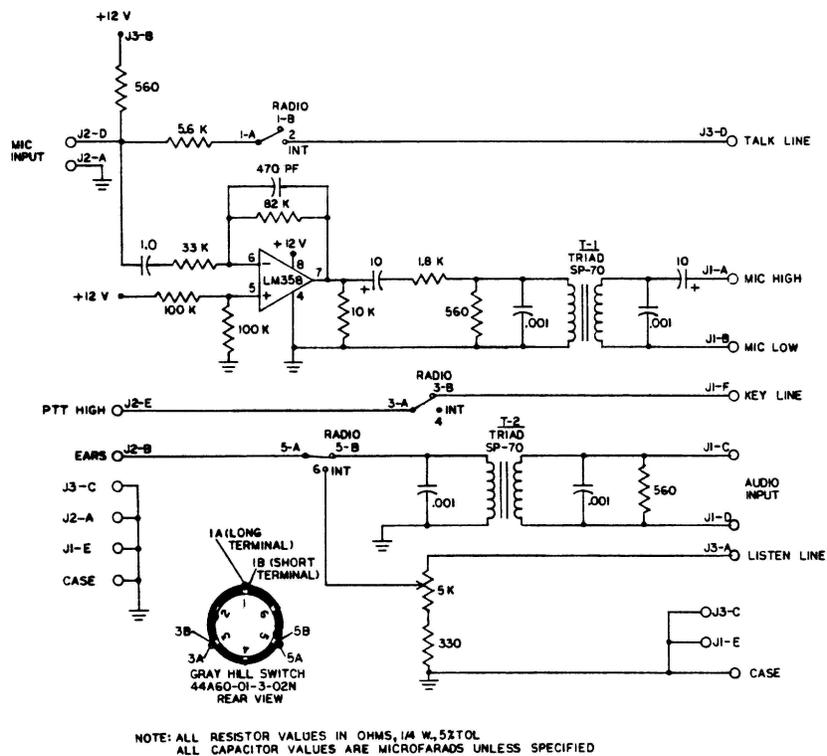


Figure 1. Model U3804 Remote Headset Station Schematic Diagram.